Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A surface texture measuring machine for measuring a surface texture of a workpiece held on a workpiece orientation adjustment stage, the workpiece having an edge line, the workpiece orientation adjustment stage being movable in a measurement direction (X-axis direction) and in a direction (Y-axis direction) orthogonal with the X-axis direction within a horizontal plane and rotatable in a X-Y plane, the workpiece orientation adjustment stage being capable of seesawing in a direction (Z-axis direction) orthogonal with the X-axis direction within a perpendicular plane, and the surface texture of the workpiece being scanned by a sensor movable in the X-axis direction for ~~actual~~ ordinary measurement after adjusting orientation of the workpiece orientation adjustment stage, the surface texture measuring machine comprising:

a measurement controller for adjusting the orientation of the workpiece orientation adjustment stage; and

a measurement means being controlled by the measurement controller,

the measurement controller comprising: a surface texture measurement controller for measuring the surface texture of the workpiece; a X-axis coordinates input means for inputting X-axis coordinates at a measurement start point and a measurement end point of ~~actual~~ ordinary measurement in adjusting the orientation of the workpiece orientation adjustment stage; a Y-axis coordinates input means for inputting Y-axis coordinates at a measurement start point and a measurement end point of ~~actual~~ ordinary measurement in adjusting the orientation of the workpiece orientation adjustment stage; a swivel correction angle calculation means for calculating a swivel angle (an angle within the X-Y plane relative to X-axis) from the x-axis coordinates inputted by the x-axis coordinates input means and the

Y-axis coordinates inputted by the Y-axis coordinate input means and determining a swivel correction amount (an operation amount of linear length for adjusting the swivel angle to zero degree) based on the swivel angle; and a swivel correction angle display for displaying the swivel correction angle calculated by the swivel correction angle calculation means,

the measurement means comprising: a swivel adjustment means which an operator can manually operate for rotating the workpiece orientation adjustment stage within the X-Y plane to adjust orientation thereof in accordance with the swivel correction angle displayed on the swivel correction angle display; and a Y-axis adjustment means which the operator can manually operate for adjusting orientation of the workpiece orientation adjustment stage by displacing the workpiece orientation adjustment stage in the Y-axis direction, wherein the X-axis coordinates at the measurement start point and the measurement end point of ~~actual~~ ordinary measurement are arbitrarily set for adjusting orientation and workpiece scanning, and the Y-axis coordinates at the measurement start point and the measurement end point of ~~actual~~ ordinary measurement are determined to be values on an edge line calculated based on values detected by moving the workpiece in the Y-axis direction with each arbitrarily set X-axis coordinates, and wherein each of the Y-axis adjustment means and the swivel adjustment means include a micrometer head, each micrometer head moving linearly.

2. (Previously Presented) The surface texture measuring machine according to Claim 1, the measurement controller further comprising: a Z-axis coordinates input means for inputting Z-axis coordinates of the workpiece at the measurement start point and the measurement end point in adjusting orientation of the workpiece orientation adjustment stage; an inclination correction calculation means for calculating an inclination angle with a X-Z plane and an inclination correction amount (an operation amount of length for adjusting the inclination angle to zero degree) from the X-axis coordinates and the Z-axis coordinates

inputted by the Z-axis coordinates input means; and an inclination correction display for displaying inclination correction amount calculated by the inclination correction calculation means, wherein the measurement means further comprises an inclination adjustment means for manually displacing the workpiece orientation adjustment stage in Z-axis direction in accordance with the inclination correction amount calculated by the inclination correction calculation means for adjusting orientation thereof.

3. (Canceled)

4. (Currently Amended) An orientation-adjustment method of a workpiece using a surface texture measuring machine, the workpiece having an edge line, the workpiece orientation adjustment stage being movable in a measurement direction (X-axis direction) and in a direction (Y-axis direction) orthogonal with the X-axis direction within a horizontal plane and rotatable in a X-Y plane, the workpiece orientation adjustment stage being capable of seesawing in a direction (Z-axis direction) orthogonal with the X-axis direction within a perpendicular plane, and the surface texture of the workpiece being scanned by a sensor movable in the X-axis direction for ~~actual~~ ordinary measurement after adjusting orientation of the workpiece orientation adjustment stage, the orientation adjusting method comprising the steps of:

measuring positions of the workpiece relative to the sensor at a measuring start point and a measurement end point of ~~actual~~ ordinary measurement;

calculating orientation of the workpiece from the positions to determine an inclination angle of the workpiece to the measurement direction to obtain an absolute quantity of an orientation correction amount (an operation amount of linear length for adjusting the inclination angle to zero degree) based on the inclination angle;

displaying or printing the orientation correction amount; and

operating an adjustment means of the workpiece orientation adjustment stage in accordance with the displayed or printed orientation correction amount to correct the orientation of the workpiece, wherein the positions of the workpiece at the measurement start point and the measurement end point of ~~actual~~ ordinary measurement are determined for adjusting orientation and workpiece scanning based on an edge line calculated by moving the workpiece in the Y-axis direction.

5. (Original) The orientation method according to Claim 4, wherein the position of the workpiece at the measurement start point and the position of the workpiece at the measurement end point are detected as a maximum value or a minimum value of Z-axis coordinates within Y-Z plane.

6. (Previously Presented) The orientation-adjusting method according to Claim 4, wherein the orientation of the workpiece is conducted by rotating the workpiece orientation adjustment stage on the X-Y plane relative to the sensor.

7. (Previously Presented) The orientation-adjusting method according to Claim 4, wherein the orientation of the workpiece is adjusted by seesawing the workpiece orientation adjustment stage on the X-Z plane relative to the sensor.

8. (Currently Amended) A leveling device for a surface texture measuring machine, the surface texture measuring machine comprising: a displacement detecting means movable in a measurement direction (X-axis direction) for measuring displacement (Z-axis direction) on a surface of a workpiece; and a moving means for moving the displacement detecting means in the measurement direction to scan a displacement signal from the displacement detecting means, the surface texture measuring machine adjusting an amount of a workpiece stage relative to a base line as a movement locus of the moving means, the leveling device comprising:

a fulcrum for rotatably supporting the workpiece stage during measurement and adjustment and a point of action working relative to the fulcrum;

a manipulated variable calculation means for single scanning the surface of the workpiece by the displacement detecting means and for calculating a center locus, an inclination of the surface of the workpiece, of a series of at least three measurement data based on a single-scanned displacement signal from the displacement detecting means to calculate an operation amount at the point of action relative to the fulcrum required for paralleling the center locus with the base line of the moving means;

an output means for displaying, printing or outputting as data the operation amount; and

an inclination adjustment means which an operator can manually operate to adjust the inclination of the workpiece stage relative to the X-axis on X-Z plane for manually adjusting inclination of a predetermined amount, wherein the operation amount is calculated in length by the manipulated variable calculation means from an inclination reference position where an inclination line connecting the fulcrum and the point of action of the inclination adjustment means is parallel with the base line of the moving means, based on the angle of the center locus relative to the base line of the moving means.

9. (Canceled)

10. (Original) The leveling device according to Claim 8, wherein the inclination adjustment means includes a micrometer head.

11. (Original) The leveling device according to Claim 8, wherein the operation amount includes operation amount at any two points on the inclination adjustment means conducting three-point support.

12. (Original) The leveling device according to Claim 8, further comprising any one of the workpiece and the moving means.